Claims

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- 1. A self hardening glass carbomer composition obtainable by treating a fluorosilicate glass powder with:
- 5 (a) a poly(dialkylsiloxane) having terminal hydroxyl groups, wherein the alkyl groups contain 1 to 4 carbon atoms,
 - (b) an aqueous acid solution,
 - (c) separating the treated fluorosilicate glass powder from the aqueous acid solution.
- 2. Self hardening glass carbomer composition according to claim 1, wherein the poly(dialkylsiloxane) is linear or cyclic.
 - 3. Self hardening glass carbomer composition according to claim 1 or claim 2, wherein the alkyl groups of the poly(dialkylsiloxane) are methyl groups.
- Self hardening glass carbomer composition according to any one of claims 1 3,
 wherein the poly(dialkylsiloxane) has a kinematic viscosity in the range of about
 1 to about 100.000 cSt at 25°C.
 - 5. Self hardening glass carbomer composition according to any one of claims 1-4, wherein the particles of the fluorosilicate glass powder have an average size of about 0.5 to about 200 μ m.
- 20 6. Self hardening glass carbomer composition according to any one of claims 1-5, wherein the aqueous acid solution comprises an inorganic acid or an organic acid.
 - 7. Self hardening glass carbomer composition according to claim 6, wherein the organic acid is a polymer.
- 8. Self hardening glass carbomer composition according to any one of claims 1-7,
 25 wherein the aqueous acid solution has a pH in the range of 2 to 7.
 - 9. Process for the preparation of a self hardening glass carbomer composition, wherein a fluorosilicate glass powder is treated with:
 - (a) a poly(dialkylsiloxane) having terminal hydroxyl groups, wherein the alkyl groups contain 1 to 4 carbon atoms,
- 30 (b) an aqueous acid solution,
 - (c) separating the treated fluorosilicate glass powder from the aqueous acid solution.

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10. Use of the self hardening glass carbomer composition according to any one of claims 1 – 8 as a dental filling material, a denting bonding cement, a bone cement or a bone replacing material